
 MSSRF <small>Science for Sustainable Development</small>	AgroMet Advisory Bulletin (AAB) Jointly released by Regional Meteorology Centre, Chennai – India Meteorology Department, Reddiarchathram Seed Growers Association & M. S. Swaminathan Research Foundation, Kannivadi Phone no.: 044 - 22541229 E mail: amfu.kanniwadi@gmail.com Fax: 044 – 22541319						
	District :	Theni	Forecast Period :	24/01/2024	to		28/01/2024
	Bulletine No :	MSSRF/ THN/ 007/ 2024	Release Date :	23/01/2024			

Significant past weather	From	19/01/202	to	22/01/202
		4		4
Parameters	Past Weather			
Rainfall (mm)	0.7			
Maximum Temperature (°C)	32 - 34			
Minimum Temperature (°C)	18 - 23			
Sky Condition (Octas)	2 - 5			
Relative Humidity (%)	43 - 83			
Wind Speed (kmph)	7 - 11			

Ensemble Weather Forecast **08:30Hrs of 28-01-2024**
 until

Parameters	24-01-2024	25-01-2024	26-01-2024	27-01-2024	28-01-2024
	Wednesday	Thursday	Friday	Saturday	Sunday
Rainfall (mm)	0	0	0	0	0
Maximum Temperature (°C)	27	27	26	27	27
Minimum Temperature (°C)	17	17	16	17	17
Sky Condition (Octas)	0	4	1	1	7
Max. Relative Humidity (%)	90	90	90	90	90
Min. Relative Humidity (%)	50	50	40	40	40
Wind Speed (Kmph)	6	6	8	8	8
Wind Direction	E	E	NE	NE	NE

SMS Advisory	Chances of very light rain on 20 Jan. Maximum temperature would be in the range of 25°C to 26°C and the minimum temperature would be between 17°C-18°C. Partly cloudy sky will appear for the next five days. Wind expected with the speed of 6-8 Kmph from, Northeast & East directions.
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General Advisory:

Dry weather is very likely to prevail over the district for the next 5 days, farmers can start crop protection activities, based on the soil moisture condition of your field, provide irrigation to the vegetable crops. Mist is likely to prevail during the early morning hours, allow your cattle to graze only 2 hours after sunrise.

Extended range Forecast for next week (26th Jan– 01st Feb 2024):

Rainfall:

As per extended range predictions, generally, dry weather conditions are likely over the district from 24th Jan to 01st February 2024.

Maximum Temperature:

Maximum temperatures are likely to be generally near normal and are likely to be in the range of 28°C to 32°C over the plains of the district during next week. 24th Jan to 01st February 2024.

Minimum Temperature:

Minimum temperatures are likely to be generally near normal and are likely to be in the range 16°C to 20°C over the district during next week 24th Jan to 01st February 2024.

Weather Based Agro-Advisories: (Maize, Cotton & Animal Husbandry)

Maize :

The incense of Downy mildew is noticed in Maize. The symptoms appear on the leaf with Chlorotic streaks. Affected plants become stunted and exhibit a bushy appearance due to the shortening of internodes and white fungus growth is seen on both the surfaces of the leaf.

Young plants are highly susceptible.

To manage this, rogue out affected plants and soil application of *Pseudomonas fluorescens* or *Trichoderma viride* @ 2½ kg per ha + sand at 20 days after sowing.

Cotton:

At this stage, nutrition disorders may be found in Cotton. In the case of Zinc deficient soils ZnSO₄ @ 50kg/ha as basal or ZnSO₄ 0.5% spray thrice at 45, 60 and 75 DAS.

When reddening occurs in leaves apply 5% MgSO₄, Urea (1.0%) and ZnSO₄ (0.10%) as a foliar spray on the 50th and 80th day to correct this malady.

In Mg deficient areas apply MgSo₄ @ 20 kg/ha basally. Need-based foliar spray of 2% MgSo₄ + 1% Urea during the boll formation stage is also recommended.

Animal Husbandry:

Due to the prevailing weather conditions, cattle may get affected by Foot and mouth disease (FMD),

Hence, farmers are advised to vaccinate their cattle in the nearby veterinary dispensary during this (January) month to protect the cattle from FMD.